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**VIA FACSIMILE**

ATTENTION: Examiner Mary A. El-Shammaa  
GROUP ART UNIT: 2881  
FIRM/CO. NAME: United States Patent and Trademark Office  
APPLICATION NO: 10/697,715  
FAX NO: (703) 872-9306  
FROM: Ashok K. Janah  
DATE: August 13, 2004  
AMAT REFERENCE NO: 007566 USAP01/MASK/ETEC/ARNOLD S

TOTAL NUMBER OF PAGES 13 (INCLUDING COVER PAGE)

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL: Steve

BUSINESS PHONE: (415) 538-1555      FACSIMILE NO: (415) 538-8380

**MESSAGE:**

Examiner,

Attached is an Amendment under 37 CFR 1.312 in response to the Notice of Allowance mailed on June 2, 2004, which is being timely filed before payment of the issue fee.

Thank you,

Stephen Guzzi

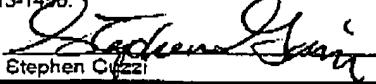
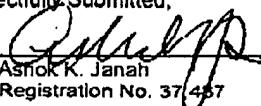
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Maldonado et al.	Group No: 2881
Application No: 10/697,715	Examiner: Mary A. El-Chammas
Confirmation No: 8352	Attorney Docket No: 007566 USA P01/MASK/ETEC/ARNOLD S
Filing: 10/29/2003	
Title: GENERATING ELECTRONS WITH AN ACTIVATED PHOTOCATHODE	Thursday, August 12, 2004 San Francisco, CA 94107

VIA FACSIMILE: (703)872-9306 Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Extension of Time			
	<input type="checkbox"/> Applicant petitions for an extension of time under 37 C.F.R. 1.136			
Papers Enclosed	Extension (Months)	Extension Fee		
		Large Entity	Small Entity	
		<input type="checkbox"/> One Month	\$110.00	\$55.00
		<input type="checkbox"/> Two Months	\$410.00	\$205.00
<input type="checkbox"/> Three Months	\$930.00	\$465.00		
Total \$ 0.00				
<input checked="" type="checkbox"/> Applicant believes that no extension of time is required. However, this conditional petition is being made in case applicant has inadvertently overlooked the need for a petition for extension of time.				

Fees for Extra Claims						
	Claims remaining after amendment	Highest number previously paid for	Number Extra	Rate		Additional Fee
				Large Entity	Small Entity	
Total Claims	30	20	10	\$18.00	\$9.00	\$180.00
Independent Claims	5	5	0	\$84.00	\$42.00	\$0.00
Multiple Dependent Claims	0	0	0	\$280.00	\$140.00	\$0.00
Supplemental Information Disclosure Statement						
						Total \$180.00

Fee Payment		Fee Deficiency
Extension Fees	\$0.00	<input checked="" type="checkbox"/> If any additional extension and/or fee is required, please charge Deposit Account No. <u>10-0258</u> , and/or
Fees for Extra Claims	\$180.00	<input checked="" type="checkbox"/> If any additional fee for claims is required, please charge Deposit Account No. <u>10-0258</u> .
Total	\$180.00	
<input type="checkbox"/> Attached is check no. _____ in the sum of <u>\$0.00</u> . <input checked="" type="checkbox"/> Please charge Deposit Account No. <u>10-0258</u> in the sum of <u>\$180.00</u> .		Please direct all telephone calls to: Ashok K. Janah at (415)538-1555 Please continue to send correspondence to: Applied Materials, Inc. Patent Department, M/S 2061 P.O. Box 450A Santa Clara, CA 95052
CERTIFICATE OF MAILING (37 C.F.R. § 1.10):		
<p>I hereby certify that, on the date shown below, this correspondence is either being facsimile transmitted to the U.S. Patent and Trademark Office via Fax No. (703) 872-9306, or being deposited with the United States Postal Service as first class mail with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>By:  Stephen Cuzzi Date: <u>8/13/04</u></p>		
<p>Respectfully Submitted,</p> <p>By:  Ashok K. Janah Registration No. 37,457 Date: <u>8/13/04</u></p>		

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Maldonado et al.	Group Art Unit: 2881
Application No: 10/697,715	Examiner: Mary A. El-Shammaa
Confirmation No: 8352	Attorney Docket: 7566
Filed: 10/29/2003	USAP01/MASK/ETEC/ARNOLD S
Title: Generating Electrons with an Activated Photocathode	August 12, 2004 San Francisco, California

AMENDMENT UNDER 37 CFR 1.312

Commissioner for Patents  
Alexandria, VA 22313

VIA FACSIMILE  
(703) 872-9306

Examiner El-Shammaa:

This communication is an Amendment under 37 CFR 1.312 in response to the Notice of Allowance mailed on June 2, 2004, and is being timely filed before payment of the issue fee.

## Certificate of Transmission

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By:   
Stephen Guzzi

Date: 8/13/04